

FIG. 1

A SWLA1: LIGHT CHAIN SEQUENCE DNA AND AMINO ACID SEQUENCE OF THE VL DOMAIN OF CHIMERIC ANTIBODY TEDW

EcoRV (242)

GGGGATATCCACCATGGAGACAGACACACTCCTGCTATGGGTGCTGCTGCTCTGGTTCCAGGTTCCACAGGTGACATTGT
▶ M E T D T L L L W V L L L W V P G S T G D I V

PstI (377)

GCTGACCCCAATCTCCAGTTTCTTTGGCTGTGTCTCTAGGGCAGAGGGGCCACCATATCCTGCAGAGCCAGTGAAAGTGTGA
▶ L T Q S P V S L A V S L G Q R A T I S C R A S E S V D

KpnI (427)

TAGTTATGGCAATAGTTTATGAAGTGTACCGAGCAGAAACCAGGACAGCCACCCCAACTCCTTCATCTATCGTGCATCCAA
▶ S Y G N S F M N W Y Q Q K P G Q P P Q L L I Y R A S N

XbaI (482)

CTAGAATAACGGGATCCCTGCCAGGTTTCAGTGGCAGTGGGTCTAGAGACAGCTTCACCCCTCACCATTAACTCCTGTGGAGGC
▶ L E Y G I P A R F S G S G S R T D F T L T I N P V E A
TGATGATGTTGCAACCTATTACTGTCAGCAAAATAATGCGGATCCTCCACGTCGAGGGGGGACCAAGTTGGAATCAA
▶ D D V A T Y Y C Q Q N N A D P P T F G G G T K L E I K

Sall (650)

ACGTAAGTGGAGGCT
▶ R K S

B SWLA1: HEAVY CHAIN SEQUENCE DNA AND AMINO ACID SEQUENCE OF THE VH DOMAIN OF CHIMERIC ANTIBODY TEDW

EcoRV (242)

GGGGATATCCACCATGGGTGTCTTGGGTCCTGCTCTTCTGCTGCTGGTGGACATTCCCAAGCTGTGTCTCTGTCCAGGTGC
▶ M A V L G L L F C L V T F P S C V L S Q V

AGCTGAAGGAGTCAGGACCTGGCCTGGTGGCGGCTCCACAGAGCCCTCCATCAGATGCACTGTCTCAGGGTCTCTCA
▶ Q L K E S G P G L V A P S Q S L S I T C T V S G F S

TAAACCACTATGATATAAATTGGGTTGGGCCAGCTCCAGAAAGGGTCTGGAGTGGCTGGGAATAATATGGGGTGA
▶ L T N Y D I N W V R Q P P G K G L E W L G I I W G D

CGGAGCACAAATTATCATTCAGCTCTCATATCCAGACTGAGCATCAGCAAGGATAACTCCAGAGCCAAATTTCT
▶ G S T N Y H S A L I S R L S I S K D N S K S Q I F

TAAACTGAACAGTCTGCAAACTGATGACACAGCCAGGTAAGTCTAAGTACCTGTTTATATTTCTATGGGTATG
▶ L K L N S L Q T D D T A T Y Y C N Y P C L Y F Y G M

NheI (663)

Sall (684)

GACTACTGGGGTCAAGGAACCTCAGTCACCGTCTCTTCAGCTAGCAACAGGCCCATCACTGGACCCA
▶ D Y W G Q G T S V T V S S A S



FIG. 6

SWLA1: HEAVY CHAIN SEQUENCE

DNA AND AMINO ACID SEQUENCE OF THE
ABERRANT VH DOMAIN

EcoRI EcoRV
CAGAATTGACCTTGGGGATATCCACATGGAGACAGACACACTCCTGCTATGGGTAAGTGGTGGTCTGGGGTTCCAGCT
 ▶ M E T D T L L L W V L L L W V P G
TGGACTGGTGACATTTGTGCTGACACAGTCTCTGCTCTGCTTACCTCTGGGGCAGAGGGCCACCATCTCATACT
▶ S T G D I V L T Q S P A S L A V S L G Q R A T I S Y
AAGGACAGCAAAAGTGTCACTACATCTGGCTATAGTTATATGCACTGGAACCAACAGAACAGCCACCCAGA
▶ R A S K S V S T S G Y S Y M H W N Q Q K P G Q P P R
 EcoO109I
CAGCTGATCTATCTTATATCTAACCCTAATACTGGGCTCTGCTGAGCTTCAGTGGCAGTGGGCTCTGGACAGACTTT
▶ L L I Y L V S N L E S G V P A R F S G S G S G T D F
 PflMI
AGCTCTCAACAATCACTCTGTGAGTACGAGGATGCTGCAACCTATTACTGTCAGTCAATTAGTGAGCTTACACCTTGG
▶ T L N I H P V E E E D A A T Y Y C Q H I R E L T R S
GAGCGGACCAAGCTGGAAATAAAACCGNCTNATGCTCCACCACTGTAACCATCTTNAACCATCAGTTCTTAGAG
▶ E G G P S W K .
 EcoRI
AAGGACCAATTC

FIG. 7

SWLA2: HEAVY CHAIN SEQUENCE

DNA AND AMINO ACID SEQUENCE OF THE
ABERRANT VH DOMAIN

EcoRI EcoRV
CAGAATTGACCTTGGGGATATCCACATGGGATGGAGCTGGGTCATGCTCTTCTCTCTGGCAGGAAGTGCACGTTGTCTT
 ▶ M G W S W V M L F L L A G T A G V L
 EcoRV
CCTCTGAGGTCAGCTGCAACAGTCTGGACCTGAGCTGGTGAACCTGGGGCTTCAGTGAAGATATCCTGCAAGACTTCT
▶ S E V Q L Q Q S G P E L V K P G A S V K I S C K T S
GCAACACATTCAGCTGAAACAAACATGCACTGGGTGAAACAGAGCCATGCAAAAGAGCTTGGAGTGGATTCGAGGTATTA
▶ G Y T F T E Y N M H W V K Q S H G K S L E W I G G I
AAGGACCAATTCCTGCTATAGTTACAAACAGTCAAGGCAAGGTCACATTCAGTGTACACAAGTCTCTCAGGAC
▶ N P N N G G T S Y N Q K F K A K A T L T V D K S S S T
AGCTACATGGAGCTCTGCAACCTGACATCTGAGGATTCGCACTCTATTACTGTGCAAGCGGGGTTTATGATGCTTA
▶ A Y M E L R N L T S E D S A V Y Y C A R G V Y D G Y
CTGCTTTTTCAGTACTGGGGCCAGGCAACCACTCTCAGAGTCTCTCTCAGGCAAAACAACAGCCCATCGGTCTATCCAC
▶ S L L T T G A K A P L S Q S P Q P K Q Q P H R S I H
TGGCTGCTG
▶ W P L